

MTA-1010W

10.1" Fanless Multi-Touch Computer with NXP i.MX8M Plus Arm Quad Cortex-A53 Processor



Features

- NXP i.MX8M Plus Arm Quad Cortex-A53 Processor
- 10.1" 1280 x 800 TFT LCD, 350 nits Luminance
- 10-point Projected Capacitive Multi-touch Screen
- 2.3 TOPS AI, Ubuntu 22.04 Support, Android 13
- 1 4K60 Digital Display, Audio Mic-in & Line-out
- 2 GigE LAN, 2 USB 3.1, 2 RS-232/422/485
- M.2 Key B, Mini PCIe support dual 5G/4G/Wi-Fi/BT
- Optional 2 CAN-FD and 4 GPIO expansion
- IP65 Front Panel Protection
- Fanless Design, -20°C to 60°C operating temperature
- 9V to 55V wide range DC power input



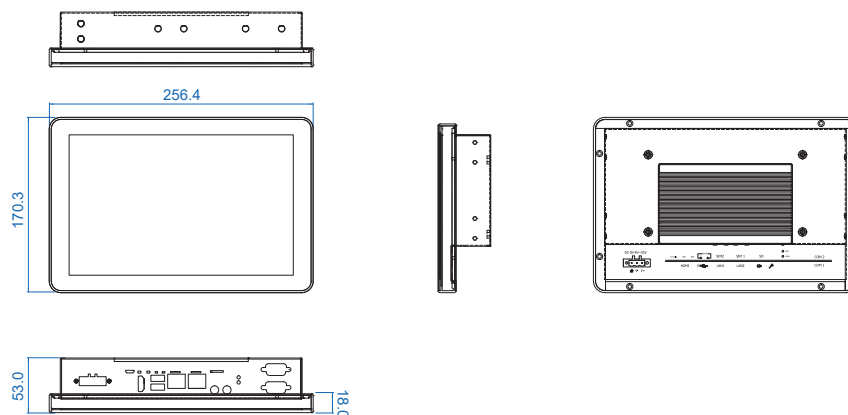
Specifications

Panel	
Panel Type	WSVGA TFT LED LCD
Size	10.1"
Max. Resolution	1280 x 800
Display Color	16.7M
Brightness (cd/m²)	350
View Angle (H/V)	85/85/85/85
Contrast Ratio	800:1
Touch Screen	
Touch Screen Type	10-point Projected Capacitive
Control Interface	USB Type
System	
Processor	NXP i.MX8M Plus Arm® Quad-core Cortex®-A53
Memory	4GB LPDDR4 SDRAM
I/O Interface	
Serial	2 RS-232/422/485
USB	2 USB 3.0
LED	Power, RDY, 2 WLAN
Display	1 Digital Display, up to 3840 x 2160 @30Hz
Micro USB	Micro USB console debug port
Button	▪ 1 User-define Button ▪ 1 Reset Button
Audio	Mic-in, Line-out
GPIO	4-bit GPIO (Optional)
SIM	2 Nano SIM (External)
Expansion	
Mini PCIe	1 Full-size Mini-Pcie Socket
M.2	1 M.2 Key B Socket

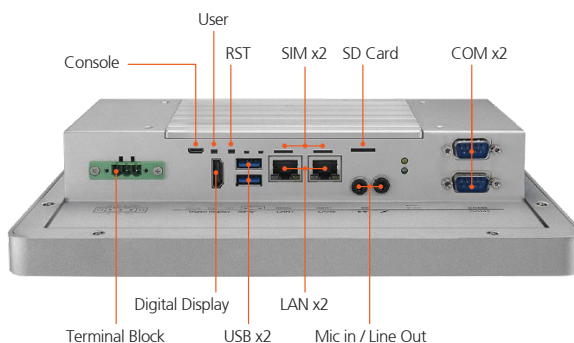
Storage	
eMMC	1 eMMC, 32GB
SD	1 Micro SD, supports SDHC (External)
Ethernet	
LAN 1	10/100/1000 Base-T Ethernet GigE LAN, RJ45 Connector
LAN 2	10/100/1000 Base-T Ethernet GigE LAN supports TSN, RJ45 Connector
Power	
Power Input	DC 9V to 55V
Power Interface	3-pin Terminal Block (V+/V-/GND)
Software Support	
OS	Ubuntu 22.04 LTS, Android 13
Mechanical	
Dimensions (W x H x D)	256.4mm x 170.3mm x 53.0mm (10.10" x 6.70" x 2.08")
Weight	1.5 kg (3.3 lbs)
Mounting	▪ Panel Mount (Default) ▪ VESA Mount (Optional)
IP Rating	Front Panel IP65 Dust and Waterproof Compliant
Environment	
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-30°C to 80°C (-22°F to 176°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @70°C
EMC	CE, FCC
Shock	IEC 60068-2-27
Vibration	IEC 60068-2-64

Dimensions

Unit : mm/ inch



Bottom I/O



Order Information

MTA-1010W	10.1" Front panel IP65, Fanless Multi-Touch Computer with NXP i.MX8M Plus, 2 GigE, 2 USB, 2 COM, DC 9V to 55V
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Accessories

PWA-60WP3-WT	60W, 24V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
PWA-60WP3-WT-12V	60W, 12V, 90V AC to 264V AC Power Adapter with 3-pin Terminal Block, Wide Temperature -30°C to +70°C
VESA Mount	VESA Mount Kit
5G Module	5G module with Antenna
4G Module	4G/GPS Module with Antenna
Wi-Fi & Bluetooth	Wi-Fi & Bluetooth Module with Antenna

Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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